

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of creating a quick recovery volume of a primary volume of managing stored data in a storage management system, the storage management system including a storage manager, a media agent connected to the storage manager, and a primary volume connected to the media agent, the method comprising:

performing a snapshot operation, wherein performing the snapshot operation includes:

quiescing the primary volume of data;

taking a first snapshot of the primary volume of data of the primary volume in accordance with a predefined policy, the policy comprising one or more parameters for creating a quick recovery volume;

after the first snapshot is taken, dequiescing the primary volume of data; and

indexing the first snapshot by associating respective information relating to individual files within the primary volume of data with the first snapshot; and

taking a second snapshot, in accordance with the predefined policy;

performing a copy operation, wherein the copy operation is performed after the primary volume is dequiesced and includes:

selecting the first or second snapshot as a source of data to copy to for copying to a quick recovery volume, wherein the quick recovery volume includes information about an application that created the data of the primary volume; corresponding quick recovery volume;

parsing the data to be copied to the quick recovery volume;

logically addressing the data to be copied to the quick recovery volume,

performing a block-level copy of the parsed and logically addressed data of the selected first snapshot to the ~~corresponding~~-quick recovery volume; and

deleting the selected snapshot after the block-level copy is complete.

2. (Currently Amended) The method as recited in claim 1, further comprising:

~~displaying the snapshots~~first snapshot to a user, ~~wherein displaying the first snapshot includes displaying information associated with an application that created data tracked by the first snapshot.~~

3. (Currently Amended) The method ~~as recited in~~ claim 2, wherein ~~the displaying the first snapshot further~~ includes displaying at least one of a ~~respective~~-date of creation of each ~~the first~~ snapshot, a ~~respective~~-persistence of each ~~the~~ snapshot, and a ~~respective~~-location of each ~~the~~ snapshot.

4. – 5. (Canceled)

6. (Currently Amended) The method ~~as recited in~~ claim ~~15~~, further comprising:

~~displaying to a user a respective one of the~~the first snapshot to a user
~~snapshots in a screen~~via a screen corresponding to the respective application that created the data of the primary volume.

7. (Original) The method as recited in ~~claim 4~~claim 1, further comprising:

enabling the presenting a user to select a least one of the snapshots or more files for restoration created by the application that created the data of the primary volume; and
restoring the at least one snapshot selected by the user receiving a selection from the user to restore the file;
suspending access to the quick recovery volume;
restoring the selected file via the quick recovery volume; and
reinstating access to the quick recovery volume.

8. (Canceled)

9. (Currently Amended) The method as recited in claim 1, further comprising:

taking a second snapshot of the primary volume of data, wherein the second snapshot only tracks changes to the primary volume of data after the first snapshot was taken; and
selecting the second snapshot as the source of data changed after the first snapshot was taken to copy to the quick recovery volume deleting a snapshot after a defined period of time.

10. – 13. (Canceled)

14. (Currently Amended) A method for periodically copying changing data on a primary volume, the method comprising:

capturing performing a first snapshot of data in a primary volume in accordance with a predefined policy, wherein the first snapshot being

~~tracks a block~~blocks of level copy image of the data in the primary volume;
~~and~~
associating application specific information to the first snapshot,
~~the policy comprising one or more parameters for creating a quick recovery volume;~~
storing the first snapshot and the associated application specific information to a destination volume, wherein storing the first snapshot and the associated application specific information creates a copy of the primary volume that facilitates a logical connection between the first snapshot of the data and an application that created the data;;
~~in accordance with at least a second criteria specified in the policy,~~
~~monitoring for a change in any one of the blocks stored in~~tracked
~~by the first snapshot; and~~
~~storing a copy of~~performing a second snapshot of a particular block when
~~the monitoring determines that there was a change in the particular block from~~after the first snapshot was performed; and
~~selecting the first snapshot for copying to a corresponding quick recovery volume; and,~~
~~performing a block-level copy of the selected snapshot to the corresponding~~storing the second snapshot to the quick recoverydestination volume.

15. (Currently Amended) The method ~~as recited in~~of claim 14, further comprising:

producing a copy of the primary volume using the first snapshot and any copies of blocks that changed after the first snapshot, after at least one block has changed ~~since~~after the first snapshot was performed.

16. (Canceled)

17. (Currently Amended) A method of managing stored data in a storage management system, the storage management system including a storage manager, a media agent connected to the storage manager, and a primary volume connected to the media agent, the method comprising:

~~taking-performing a first-snapshot of the primary volume in accordance with a predefined-policy, the policy comprising one or more parameters for creating a quick-recovery volume~~wherein the snapshot tracks data blocks of the primary volume;

~~identifying characteristics associated with the first-snapshot~~data blocks tracked by the snapshot; and

~~storing the characteristics in an index~~that associates the data blocks of the primary volume with portions of the snapshot that track the data blocks;

~~selecting the first-snapshot for copying~~the data blocks tracked by the snapshot to a corresponding-destination quick-recovery volume via the snapshot; and,

~~performing a block-level-copy of the selected-snapshot to the corresponding-quick-recovery-volume~~deleting the snapshot; and
storing the index to the destination volume.

18. – 22. (Canceled)